

Title (en)
ELECTRIC WIRE HEATING ELEMENT

Publication
EP 0038414 B1 19850116 (DE)

Application
EP 81101595 A 19810306

Priority
DE 3014935 A 19800418

Abstract (en)
[origin: EP0038414A1] 1. Electrical wire heating element for heating an air flow, which has a heating conductor support receiving the heating conductor winding and which comprises rectangular support plates made from insulating material arranged in cross-like or star-like manner about the central axis of the air flow and parallel thereto, the inner edges of said plates being oriented parallel to the air flow and whereof in each case two further edges are at right angles to the air flow and onto whose four outer edges is spirally wound a heating conductor, whose longitudinal course is periodically deformed, i.e. in meander-like, zig-zag or wavy manner and whose turns are partly successively arranged in the air flow, characterized in that the portions (51, 52) of in each case two successive turns of the heating conductor winding supported and defined by two adjacent support plates (1, 2; 2, 3; 3, 4; 4, 1) differ from one another with respect to the number of their periodic undulations.

IPC 1-7
H05B 3/16

IPC 8 full level
H05B 3/16 (2006.01)

CPC (source: EP)
H05B 3/16 (2013.01)

Cited by
IT201900006645A1; EP0104344A1; EP0293997A1; EP0338604A1; EP1884962A1; WO2020225652A1; WO2020225646A1

Designated contracting state (EPC)
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EP 0038414 A1 19811028; EP 0038414 B1 19850116; DE 3014935 A1 19811022; DE 3168230 D1 19850228; ES 266004 U 19830216; ES 266004 Y 19830801; HK 64889 A 19890818; IE 51043 B1 19860917; IE 810890 L 19811018

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EP 81101595 A 19810306; DE 3014935 A 19800418; DE 3168230 T 19810306; ES 266004 U 19810415; HK 64889 A 19890810; IE 89081 A 19810416